

ABSTRACT

A mounting device for coaxially anchoring a machine element upon a rotary shaft. The device fits between the interior bore of the machine element and the cylindrical surface of the shaft and is effective to position the element at any desired position longitudinally of the shaft and at any angular position circumferentially of the shaft. The device has inner and outer sleeves, the mating surfaces of which are similarly tapered so that relative axial displacement of the sleeves effects expansion and contraction of the interior bore and external surface of the combined elements. Rotation of a threaded nut at one end of the device effects the relative axial displacement of the inner and outer sleeves to afford expansion and contraction of the sleeves without excessively straining the material of the sleeves or the nut.